25039, A 2, Appli

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Patent No. 5821124
GENERAL INFORMATION:
APPLICANT: Regeneron Pharmaceuticals, Inc. and
APPLICANT: Regents of the University of California
TITLE OF INVENTION: Dorsal Tissue Affecting Factor and
TITLE OF INVENTION: Compositions
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTAX: U.S.A.

CID: 10591
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,721
FILING DATE: 07-JUN-1995
CLLASSIPICATION: A35
PRIOR APPLICATION AAA:
APPLICATION NUMBER: 08/392,935
FILING DATE: 02-SEP-1993
ATPLICATION NUMBER: PCT/US93/08326
FILING DATE: 02-SEP-1993
ATPLICATION NUMBER: PCT/US93/08326
FILING DATE: 02-SEP-1993
ATPLICATION NUMBER: PCT/US93/08326
FILING DATE: DC-SEP-1993
ATPLICATION NUMBER: PCT/US93/08326
FILING DATE: DC-SEP-1993
ATPLICATION NUMBER: PCT/US93/08326
                                          US-09-252-991A-25039
US-09-267-908A-2
US-08-827-633A-3
US-08-827-633A-3
US-08-837-23-3
US-08-837-235-3
US-09-167-236-3
US-09-500-253B-3
PCT-US3-0832S-3
PCT-US3-0832S-3
US-09-347-801-18
US-09-252-991A-24717
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US-08-252-991A-24717
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: Regeneron Pharmaceuticals, Inc. STREET: 777 Old Saw Mill River Road
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Kempler Ph.D., Gail M.
REGISTRATION NUMBER: 32,143
REFERENCE/DOCKET NUMBER: Reg 132
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TELEPHONE: 914-347-7000
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MOLECULE TYPE: protein
US-08-485-721-2
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STATE: New York
COUNTRY: U.S.A.
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LENGTH:
  21514, A
5, Appli
23829, A
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1268
1 MERCPSLGVTLYALVVVLGL......QRCGWIPIQYPIISECKCSC
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/cgn2_6/ptodata/1/laa/6B_COMB.pep:*
/cgn2_6/ptodata/1/laa/PCTUS_COMB.pep:*
/cgn2_6/ptodata/1/laa/packfiles1.pep:*
                        GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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US-09-167-236-11
US-09-167-25B-11
US-08-897-25B-11
US-08-897-25B-23
US-08-485-721-9
US-08-392-935-9
PCT-US93-08326-9
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US-09-167-874-2
US-09-500-253B-2
PCT-US93-08326-2
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US-08-392-935-11
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Maximum Match 100%
Listing first 45 summaries
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length: 2000000000
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Match Length
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Score

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Minimum DB Maximum DB

Database

Title: Perfect score:

Sequence:

OM protein

Run on:

Scoring table:

Searched:

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Gaps

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Best Local Similarity
Matches 232; Conserv
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                                                                                                                                                                                                                                                                                                                                                                    ; TYPE: PRT
; ORGANISM: human
US-08-897-236-2
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                  1 MERCPSLGVTLXALVVVLGLRATPAGGQHYLHIRPAPSDNLPLVDLIEHPDPIFDPKEKD 60
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Patent No. 5843775
GENERAL INFORMATION:
APPLICANT: Regeneron Pharmaceuticals, Inc. and
APPLICANT: Regents of the University of California
TITLE OF INVENTION: Dorsal Tissue Affecting Factor and
TITLE OF INVENTION: Compositions
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PatentIn Release #1.0, Version #1.25
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100.0%; Pred. No. 3e-126;
ive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET: 777 01d Saw Mill River Road CITY: Tarrytown STATE: New York COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/08326
FILING DATE: 02-SEP-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/392,935
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Kempler Ph.D., Gail M.
REGISTRATION NUMBER: 32,143
REGISTRATION NUMBER: Reg 132
TELECOMMUNICATION INFORMATION:
TELEPRONE: 914.347-7000
TELEFAX: 914.347-2113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
BDIUM TYPE: Floppy disk
CMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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amino acid
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232; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  unknown
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE:
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US-08-392-935-2
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APPLICANT: Regeneron Pharmaceuticals, Inc.
TITLE OF INVENTION: Modified Dorsal Tissue Affecting Factor and Composition
FILE REPERENCE: REG 133
CURRENT APPLICATION NUMBER: US/08/897,236A
CURRENT FILING DATE: 1997-07-17
NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patentin Ver. 2.0
KGLEFSEGLAQGKKQRLSKKLRRKLQMWLWSQTFCPVLYAWNDLGSRFWPRYVKVGSCFS 180
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TILE CPE INVENTION: DORSAL TISSUE AFFECTING FACTOR AND COMPOSITIONS
FILE REFERENCE: REG132-8

CURRENT APPLICATION NUMBER: US/09/167,874

CURRENT FILING DATE: 1998-10-07

EARLIER APPLICATION NUMBER: 08/485,721

EARLIER FILING DATE: 1995-09-02

EARLIER FILING DATE: 1995-09-02

EARLIER FILING DATE: 1995-09-02

EARLIER FILING DATE: 1993-09-02

EARLIER FILING DATE: 1993-00-02

EARLIER FILING DATE: 1993-10-06

EARLIER APPLICATION NUMBER: 07/957,401

EARLIER APPLICATION NUMBER: 07/950,410

EARLIER APPLICATION NUMBER: 07/950,410
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Pred. No. 3e-126;
; Mismatches 0;
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EARLIER FILING DATE: 1992-09-03
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100.0%; Protective 0;
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Sequence II, Application US/08897236A
Patent No. 6075007
GENERAL INFORMATION:
APPLICANT: Regeneron Pharmaceuticals, Inc.
TITLE OF INVENTION: Modified Dorsal Tissue Affecting Factor and Composition
FILE REPERENCE: REG 13
CURRENT APPLICATION NUMBER: US/08/897,236A
CURRENT FILING DATE: 1997-07-17
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 11
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99.1%; Pred. No. 3.5e-125;
iive 0; Mismatches 2; Indels
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                                                                                                      COMPUTER: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: DATE PC COMPANDS
SOFTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/08326
FILING DATE: 02-SEP-1993
ATTORNEY ACCESS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 1268; DB 5;
Pred. No. 3e-126;
                    Regeneron Pharmaceuticals, Inc. 777 Old Saw Mill River Road
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                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
NAME: Kempler Ph.D., Gail M.
REGISTRATION NUMBER: 32,143
REFERENCE/DOCKET NUMBER: Reg 132
                                                                                                                                                                                                                                                                                                                                                       TELECOMMUNICATION INFORMATION:
TELEPHONE: 914-347-7000
TELEFAX: 914-347-2113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 914-347-2113
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                             232 amino acids
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Matches 230; Conservative
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   CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 unknown
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                           STREET: //,
TTTY: Tarrytown
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                                                                                       U.S.A.
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                                                                       STATE: NE
COUNTRY:
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APPLICANT: Regeneron Pharmaceuticals, Inc.
APPLICANT: Regeneron Pharmaceuticals, Inc.
TITLE OF INVENTION: Modified Dorsal Tissue Affecting Factor and Composition
FILE REFERENCE: Rec 13 * 2
CURRENT APPLICATION NUMBER: US/09/500,253B
CURRENT FILING DATE: 2000-02-08
NUMBER OF SEQ ID NOS: 27
SOFTWARE: Patentin Version 3.0
SEQ ID NO 2
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TITLE OF INVENTION: Dorsal Tissue Affecting Factor and
TITLE OF INVENTION: Compositions
NUMBER OF SEQUENCES: 24
                                                                                     ; Score 1268; DB 3;
; Pred. No. 3e-126;
0; Mismatches 0;
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Pred. No. 3e-126;
Mismatches 0;
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100.0%;
                                                                                    Query Match 100.0%;
Best Local Similarity 100.0%;
Matches 232; Conservative 0
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                TYPE: PRT
ORGANISM: Homo sapiens
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Best Local Similarity
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TYPE: PRT
LENGTH: 232
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SEQ ID NO 23
LENGTH: 449
TYPE: PRT
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TITLE OF INVENTION:

FILE REFERENCE:

FILE REFERENCE:

CURRENT APPLICATION

CURRENT APPLICATION

CURRENT FILING DATE: 1998-10-07

EARLIER APPLICATION NUMBER: 08/485,721

EARLIER FILING DATE: 1995-09-22

EARLIER FILING DATE: 1995-09-22

EARLIER FILING DATE: 1993-09-02

EARLIER FILING DATE: 1992-09-03

EARLIER PILING DATE: 1992-09-03

EARLIER PILING DATE: 1992-09-03

EARLIER FILING DATE: 1992-09-03

EARLIER PILING DATE: 1992-09-03
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Pred. No. 3.5e-125;
0; Mismatches 2;
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99.1%;
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Best Local Similarity 99.1
Matches 230; Conservative
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; ORGANISM: mouse
US-09-167-874-11
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US-09-500-253B-11
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Sequence 11, Application US/09500253B Patent No. 6500640

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APPLICANT: Regeneron Pharmaceuticals, Inc.
TITLE OF INVENTION: Modified Dorsal Tissue Affecting Factor and Composition
FILE REPERBENCE: REG 133-2
CURRENT APPLICATION NUMBER: US/09/500,253B
CURRENT FILING DATE: 2000-02-08
NUMBER OF SEQ ID NOS: 27
SOFTWARE: Patentin version 3.0
SEQ ID NO 11
LENGTH: 232
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Patent No. 6075007
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Modified Dorsal Tissue Affecting Factor and Composition FILE REFERENCE: REG 133
CURRENT APPLICATION NUMBER: US/08/897,236A
CURRENT FILING DATE: 1997-07-17
NUMBER OF SEQ ID NOS: 23
SOFTWARE: PatentIn Ver. 2.0
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                                                                                                                                                                                                                                                                                                                            Score 1258; DB 4; Length 232;
Pred. No. 3.5e-125;
0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                  99.2%;
99.1%;
                                                                                                                                                                                                                                                                                                                                    Query Match 99.2'
Best Local Similarity 99.1'
Matches 230; Conservative
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Best Local Similarity
Matches 220; Conserva
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PC-DOS/MS-DOS
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; Patent No. 5843775
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COMPUTER: IBM PC compatible
COPERATING SYSTEM: PC-DOS/MC-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Kempler Ph.D., Gail M. REGISTRATION NUMBER: 32,143
32,143
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                                                                                                                                      : 222 amino acids
amino acid
                                                                       TELEFAX: 914-347-2113
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 222 amino acid
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                        ; MOLECULE TYPE: protein US-08-485-721-9
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COMPUTER READABLE FORM:
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                                                                                                                                                                             unknown
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                                                                                   GENERAL INCORDATION:
APPLICANT: Regeneron Pharmaceuticals, Inc.
APPLICANT: Regeneron Pharmaceuticals, Inc.
TITLE OF INVENTION: Modified Dorsal Tissue Affecting Factor and Composition FILE REFERENCE: REG 133-2
CURRENT APPLICATION NUMBER: US/09/500,253B
CURRENT FILING DATE: 2000-02-08
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn version 3.0
SEQ ID NO 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INETILRSLLGGHYDPGFMATSPPEDRPGGGGGAAGGAEDLAELDQLLRQRPSGAMPSEI 120
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Patent No. 5821124
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Regeneron Pharmaceuticals, Inc. and
APPLICANT: Regener of the University of California
TITLE OF INVENTION: Compositions
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Regeneron Pharmaceuticals, Inc.
STREET: 777 Old Saw Mill River Road
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                 Score 1195; DB 4;
Pred. No. 4.1e-118;
0; Mismatches 0;
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APPLICATION NUMBER: PCT/US93/08326
FILING DATE: 02-SEP-1993
ATTORNEY/AGENT INFORMATION:
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                   Sequence 23, Application US/09500253B
Patent No. 6500640
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94.8%;
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Best Local Similarity 94.8
Matches 220; Conservative
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COUNTRY: U.S.A.
ZIP: 10591
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy di
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: (
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                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Human
                              -09-500-253B-23
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129 LAQGKKQRLSKKLRRKLQMWLWSQTFCPVLYAWNDLGSRFWPRYVKVGSCFSKRSCSVPE 188
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                                                                                                                                                                                                                                                                                                                                                                                         Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/392,935
                                                                                                                                                                                                                                                                                                                                Query Match 74.9%; Score 949.5; DB 2; Best Local Similarity 78.1%; Pred. No. 1.5e-92; Matches 175; Conservative 17; Mismatches 23;
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STREET: 777 Old Saw Mill River Road
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/08326
FILING DATE: 02-SEP-1993
ATTORNEY/AGENT INFORMATION:
REFERENCE/DOCKET NUMBER: Reg 132 TELECOMMUNICATION INFORMATION: TELEPHONE: 914-347-7000
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LLGGHYDPGFMATSPPEDRPGGGGGAAGGAEDLAELDQLLRQRPSGAMPSEIKGLEFSEG 128
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: New York
RY: U.S.A.
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                                                                                                                                                                                                                                                          120 L-QSKKHRLSKKLRRKLQMWLMSQTFCPVLYTWNDLGTRFWPRYVKVGSCYSKRSCSVPE 178
                                                                                                                                                                                                                                     LLGGHYDPGFMATSPPEDRPGGGGGAAGGAEDLAELDQLLRQRPSGAMPSEIKGLEFSEG 128
                                                                                                                                                                                                                                                                                                             LAQGKKQRLSKKLRRKLQMWLWSQTFCPVLYAWNDLGSRFWPRYVKVGSCFSKRSCSVPE 188
                                                                                                                                                                  9 VTLYALVVVLGLRATPAGGQHYLHIRPAPSDNLPLVDLIEHPDPIFDPKEKDLNETLLRS 68
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                                                                                                                                Gaps
                                                                                                                                9.
                                                                                              Length 222;
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                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Valenzuela, et al.
TITLE OF INVENTION: Dorsal Tissue Affecting Factor and
TITLE OF INVENTION: Compositions
NUMBER OF SEQUENCES: 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                          74.9%; Score 949.5; DB 2; 78.1%; Pred. No. 1.5e-92; Live 17; Mismatches 23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       74.9%; Score 949.5; DB 5; 78.1%; Pred. No. 1.5e-92; wiematches 23;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/08326
FILING DATE: 02-SEP-1993
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NAME: Kempler Ph.D., Gail M.
REGISTRATON NUMBER: 32,143
REFERENCE/DOCKET NUMBER: Reg 132
TELECOMMUNICATION INFORMATION:
TELEPHONE: 914-347-7000
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ZIP: 10591
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
PC compatible
PC COMPATIBLE
PC COMPATIBLE
PC-DOS/MS-D
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amino acid
                                                                                        Query Match 74.9
Best Local Similarity 78.1
Matches 175; Conservative
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TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-392-935-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; MOLECULE TYPE: protein PCT-US93-08326-9
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ADDRESSEE: Regeneron
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175; Conserva
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Best Local 3
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                                                                                                                                                                        189 GMVCKPSKSVHLTVLRWRCQRRGGQRCGWIPIQYPIISECKCSC 232
                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: Regeneron Pharmaceuticals, Inc. and
APPLICANT: Regents of the University of California
TITLE OF INVENTION: Dorsal Tissue Affecting Factor and
TITLE OF INVENTION: Compositions
NUMBER OF SEQUENCES: 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,721
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
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Pred. No. 7.6e-46;
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STREET: 777 Old Saw Mill River Road
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APPLICATION NUMBER: 08/392,935
FILING DATE: 02-SEP-1993
APPLICATION NUMBER: PCT/US93/08326
FILING DATE: 02-SEP-1993
ATTORNEX/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RCQRRGGQRCGWIPIQYPIISECKCSC
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                                                                                                                                                                                                                                                                                             Sequence 11, Application US/08485721
Patent No. 5821124
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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Best Local Similarity 98.9
Matches 86; Conservative
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529.851 Million cell updates/sec
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1268
1 MERCPSLGVTLYALVVVLGL.....QRCGWIPIQYPIISECKCSC 232
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/cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
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/cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep:*
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/cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                451899 seqs, 118759770 residues
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Maximum Match 1008
Listing first 45 summaries
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Gapop 10.0 , Gapext 0.5
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Perfect score:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Description	242	Sequence 11, Appl Sequence 6, Appli Sequence 13, Appl Sequence 23, Appl Sequence 4, Appli Sequence 4, Appli Sequence 2, Appli	Sequence 3, Appli Sequence 3, Appli Sequence 16, Appli Sequence 14, Appli Sequence 6, Appli
SUMMARIES	US-09-897-322-2 US-10-044-716-4 US-10-323-268-2	US-10-323-268-11 US-10-323-268-11 US-10-323-268-23 US-09-884-731-4 US-09-884-001-4 US-10-159-151-2	US-09-897-322-3 US-10-323-268-3 US-09-854-845-16 US-09-854-845-14 US-09-854-845-14
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Score	1268 1268 1268	1258 1258 1195 90.5 88.5	87 86.5 86.5 86.5
Result No.	H C1 E1 4	. 10	11 12 13 14

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Length 232; Indels

Query Match 100.0%; Score 1268; DB 10; Best Local Similarity 100.0%; Pred. No. 3.5e-115; Matches 232; Conservative 0; Mismatches 0;

US-09-897-322-2

1 MERCPSLGVTLYALVVVLGLRATPAGGQHYLHIRPAPSDNLPLVDLIEHPDPIFDPKEKD 60

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RESULT 1 US-09-897-322-2 Sequence 2, Application US/09 Sequence 2, Application US/09 GENERAL NECRMATION: APPLICANT: Valenzuela et al. TITLE OF INVENTION: DORSAL TFLE FILE OF THOWNION: DORSAL TFLE FILE OF THOM DATE: 2001-09 PRIOR PELLING DATE: 1998-10-09 PRIOR FILING DATE: 1998-10-09 PRIOR FILING DATE: 1995-09-29 PRIOR FILING DATE: 1995-09-29 PRIOR FILING DATE: 1995-09-29 PRIOR FILING DATE: 1993-09-09 PRIOR FILING DATE: 1992-09-29 NUMBER OF SEQ ID NOS: 22 SEQ ID NO 2 LENGTH: 232 TYPE: PAT TYP	322-2	pplication 002010264 ATION: lenzuela intron: Do E: REG132 CATION NUMB DATE: 199 TION NUMB DATE: 199 ATION NUMB DATE: 199 ATION NUMB DATE: 199 ATION NUMB DATE: 199 ATION NUMB DATE: 199	ation US/ 102643A1 Nela et a N: DORSAL EG132-B ON UWBER: 11998-10 NUMBER: 11998-10 NUMBER: 11998-10 NUMBER: 11995-09 NUMBER: 11995-09 NUMBER: 11992-09 NUMBER: 11992-09 NUMBER: 11992-09 NUMBER: 11992-09 NUMBER:	88 B I I I I I I I I I I I I I I I I I I	97322 SSUE AFFECTING FACTOR S/09/897,322 167,874 485,721 392,935 7US93/08326 957,401 950,410	OR AND COMPOSITIONS		· ·

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TITLE OF INVENTION: DORSAL TISSUE AFFECTING FACTOR AND COMPOSITIONS FILE REFERENCE: REG132-B
CURRENT APPLICATION NUMBER: US/09/897,322
CURRENT FILING DATE: 2001-07-02
PRIOR APPLICATION NUMBER: 09/167,874
                                                                                                                                                                                                                                                                                                                                                                                 181 KRSCSVPEGMVCKPSKSVHLTVLRWRCQRRGGQRCGWIPIQYPIISECKCSC 232
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                                                          8; DB 16;
3.5e-115;
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Pred. No. 3.3e-114;
0; Mismatches 2;
                                                        Score 1268;
Pred. No. 3.5
                                                                                               Mismatches
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PRIOR APPLICATION NUMBER: 08/485,721
PRIOR APPLICATION NUMBER: 08/392,935
PRIOR PILING DATE: 1995-09-22
PRIOR PILING DATE: 1995-09-22
PRIOR APPLICATION NUMBER: PCT/US93/08326
PRIOR FILING DATE: 1993-09-02
PRIOR FLING DATE: 1993-09-02
PRIOR FLING DATE: 1992-09-03
PRIOR PLING DATE: 1992-09-03
PRIOR APPLICATION NUMBER: 07/950,410
PRIOR FILING DATE: 1992-09-03
PRIOR APPLICATION NUMBER: 07/950,410
PRIOR FILING DATE: 1992-09-03
PRIOR FILING DATE: 1992-09-03
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Best Local Similarity 99.1
Matches 230; Conservative
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                                                                            Best_Local Similarity
Matches 232; Conserv
   ; ORGANISM: human
US-10-323-268-2
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TITLE OF INVENTION: BONE MORPHOGENETIC PROTEIN-2 IN THE TREATMENT AND DIAGNOSIS OF
FILE REFERENCE: 270/07005
CURRENT APPLICATION NUMBER: US/10/044,716
CURRENT APPLICATION NUMBER: US/02-01-11
PRIOR APPLICATION NUMBER: US/02-01-12
NUMBER OF SEQ ID NOS: 16
SOFTWARE: Patentin version 3.1
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Publication No. US20030129703A1
GENERAL INFORMATION:
APPLICANT: Regeneron Pharmaceuticals, Inc.
TITLE OF INVENTION: Modified Dorsal Tissue Affecting Factor and Composition
FILE REFERENCE: REG 133-2
CURRENT APPLICATION NUMBER: US/10/323, 268
CURRENT FILING DATE: 2002-12-19
PRIOR APPLICATION NUMBER: US/9/500,253
PRIOR FILING DATE: 2000-02-08
                                                            61 LNETLLRSLLGGHYDPGFMATSPPEDRPGGGGGAAGGAEDLAELDQLLRQRPSGAMPSEI 120
                                                                                                               KGLEFSEGLAQGKKQRLSKKLRRKLQMWLWSQTFCPVLYAWNDLGSRFWPRYVKVGSCFS 180
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Pred. No. 3.5e-115;
Mismatches 0;
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Publication No. US20020159986A1
GENERAL INFORMATION:
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Best Local Similarity 100.0%;
Matches 232; Conservative 0;
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SOFTWARE: PatentIn versions ID NO 2
LENGTH: 232
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LENGTH: 232
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US-10-323-268-23
Sequence 23, Application US/10323268
Publication No. US20030129703A1
Sequence 23, Application No. US20030129703A1
SEMBRAL INFORMATION:
APPLICANT: Regeneron Plarmaceuticals, Inc.
TITLE OF INVENTION: Modified Dorsal Tissue Affecting Factor and Composition
FILE REFERENCE: REG 133-2
CURRENT APPLICATION NUMBER: US/10/323,268
CURRENT FILING DATE: 2002-12-19
PRIOR FILING DATE: 2000-12-08
                                                                             KGLEFSEGLAQGKKQRLSKKLRRKLQMWLWSQTFCPVLYAWNDLGSRFWPRYVKVGSCFS 180
                                                                                                   61 INFTLLRSLLGGHYDPGFWATSPPEDRPGGGGGAAGGAEDLAELDQLLRQRPSGAMPSET 120
   61 LNETLLRSLLGGHYDPGFMATSPPEDRPGGGGGAAGGAEDLAELDQLLRQRPSGAMPSEI 120
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94.8%; Pred. No. 9.8e-108;
Live 0; Mismatches 0;
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Fatent No. US20020120949A1
GENERAL INPORMATION:
FAPPLICANT: Allen, Steve
TITLE OF INVENTION:
CURRENT APPLICATION WING
TITLE OF INVENTION: Plant Protein Kinases
FILE REFERENCE: BB-1171
CURRENT APPLICATION NUMBER: US/09/854,731
CURRENT FILING DATE: 2001-05-14
PRIOR FILING DATE: July 10, 1998
NUMBER OF SEQ ID NOS: 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn version 3.0
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SOFTWARE: Microsoft Office 97
SEQ ID NO 4
LENGTH: 623
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220; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; ORGANISM: Human US-10-323-268-23
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LENGTH: 449
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Best Local Si
Matches 220)
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                                                                                                                                                               ADDITION TO THE TREATMENT AND DIAGNOSIS OF CATTLE REPERENCE 270/0700S

TITLE OF INVENTION: BONE MORPHOGENETIC PROTEIN-2 IN THE TREATMENT AND DIAGNOSIS OF CATTLE REPERENCE 270/0700S

CURRENT APPLICATION NUMBER: US/10/044,716

CURRENT FILING DATE: 2002-01-11

PRIOR APPLICATION NUMBER: US60/261,252

PRIOR APPLICATION NUMBER: US60/261,252

PRIOR SEQ ID NOS: 16

SOFTWARE: PATENTING DATE: 2001-01-12

NUMBER OF SEQ ID NOS: 16

SEQ ID NO 6

LENGTH: 232
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Sequence 11, Application US/10323268
Sequence 11, Application US/10323268
Publication No. US20030129703A1
GENERAL INFORMATION:
APPLICANT: Regeneron Pharmaceuticals, Inc.
TITLE OF INVENTION: Modified Dorsal Tissue Affecting Factor and Composition
FILE REFERENCE: REG 133-2
CURRENT FILING DATE: 2002-12-19
PRIOR APPLICATION NUMBER: US/09/500,253
PRIOR FILING DATE: 2000-02-08
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DB 14; Length 232;
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Pred. No. 3.3e-114;
0; Mismatches 2;
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Pred. No. 3.3e-114;
0; Mismatches 2;
                                                                                                             ; Sequence 6, Application US/10044716; Publication No. US20020159986A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 99.2%;
Best Local Similarity, 99.1%;
Matches 230; Conservative
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SOFTWARE: PatentIn version 3.0
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ilarity 99.1%;
Conservative (
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Best Local Similarity
Matches 230; Conserv
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                                                                                                                   24 PAGGQHYL--HIRPAPSDNLPLVDLIEHPDPIFDPKEKDLNETLLRSLLGGHYDPGFMAT 81
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APPLICANT: Blid, Timothy A.
APPLICANT: Sins, John E.
APPLICANT: Sins, John E.
APPLICANT: Willis, John E.
APPLICANT: Willis, Cynthia R.
TITLE OF INVENTION: Methods for Regulating Vascularization Using (TITLE OF INVENTION: Ocntaining NEK-Like Kinase (GNK)
FILE REFERENCE: Immunex GNK, SGGNK PCT
CURRENT APPLICATION NUMBER: US/09/884,001
PRIOR APPLICATION NUMBER: 60/113,003
PRIOR PILING DATE: 1998-12-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               67;
                                       Length 623;
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                                         DB 10;
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                                       7.1%; Score 90.5; DI 30.3%; Pred. No. 2.6; Live 12; Mismatches
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Publication No. US20020182656A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Cytokinetics, Inc.
APPLICANT: Beraud, Christopher
APPLICANT: Guo, Jun
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SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4
LENGTH: 979
                                       Ouery Match 7.1
Best Local Similarity 30.3
Matches 37; Conservative
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US-09-854-731-4
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US-10-159-151-2
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US-10-159-151-2
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TITLE OF INVENTION: DORSAL TISSUE AFFECTING FACTOR AND COMPOSITIONS
FILE REFERENCE: REG132-B
APPLICANT: Davies, Katherine A.
TITLE OF INVENTION: KINI-3 MOTOR PROTEIN AND METHODS FOR ITS USE
FILE REFERENCE: 02055-02400US
CURRENT APPLICATION NUMBER: US/10/159,151
PRIOR APPLICATION NUMBER: US/09/967,908
PRIOR FILING DATE: 2002-05-31
PRIOR FILING DATE: 2001-09-28
PRIOR FILING DATE: 2000-09-29
NUMBER OF SEO ID NOS: 10
SOFTWARE: Patentin Ver. 2.1
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CURRENT FILING DATE: 2001-07-02
PRIOR APPLICATION NUMBER: 09/167,874
PRIOR FILING DATE: 1998-10-07
PRIOR FILING DATE: 1998-10-07
PRIOR APPLICATION NUMBER: 08/485,721
PRIOR FILING DATE: 1995-07-06
PRIOR PILING DATE: 1995-09-22
PRIOR FILING DATE: 1995-09-22
PRIOR FILING DATE: 1995-09-02
PRIOR APPLICATION NUMBER: 07/957,401
PRIOR APPLICATION NUMBER: 07/957,401
PRIOR APPLICATION NUMBER: 07/957,401
PRIOR PLICATION NUMBER: 07/957,401
PRIOR PLICATION NUMBER: 07/957,401
PRIOR FILING DATE: 1992-09-23
PRIOR FILING DATE: 1992-09-03
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Patent No. US20020102643A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1237 LSTDPIKLPCNSE 1249
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SOFTWARE: PatentIn Ver. 2.0
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Best Local Similarity
Matches 52; Conserva
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GENERAL INCORDATION:
APPLICANT: Walke, D. Wade
APPLICANT: Wang, Xiaoming
APPLICANT: Wang, Xiaoming
APPLICANT: Scoville, John
APPLICANT: Turner, C. Alexander Jr.
TITLE OF INVENTION: No. US20020098491Alel Human Semaphorin Homologs and Polynucleo
FILE REFERENCE: Lex. -017-USA
CURRENT APPLICATION NUMBER: US 60/205,274
PRIOR APPLICATION NUMBER: US 60/205,274
PRIOR APPLICATION NUMBER: US 60/208,893
PRIOR FILING DATE: 2000-05-18
PRIOR FILING DATE: 2000-06-02
NUMBER OF SEQ ID NOS: 50
SOFTWARE: FastSEQ for Windows Version 4.0
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                                         380 GKQQRCS-TLEDSSNMSLWTQNITACPVRNVTRDGGFGPWSPWQPCEHLDGDNSGSCLCR 438
                                                                                                                 439 ARSCDSPRPRCGGLDCL-GPAIHIA----NCSRNG----AWTP--WSSWALCSTSC 483
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              439 ARSCDSPRPRCGGLDCL-GPAIHIA----NCSRNG----AWTP--WSSWALCSTSC 483
                                                                                    182 -RSCSVPE----GMVCKPSKSVHLTVLRWRCQRRGGQRCGWIPIQYPIISECKCSC 232
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       182 -RSCSVPE----GMVCKPSKSVHLTVLRWRCQRRGGQRCGWIPIQYPIISECKCSC 232
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             27;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 6.8%; Score 86.5; DB 9; Length 95
Best Local Similarity 30.2%; Pred. No. 11;
Matches 35; Conservative 10; Mismatches 44; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      132 GKKQRLSKKLRRKLQMWLWSQ--TFCPVLYAWNDLGSRFWPRYV---
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                                                                                                                                                                                                                                  Sequence 14, Application US/09854845 Patent No. US20020098491A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 15
US-09-854-865-6
Sequence 6, Application US/09854845
; Patent No. US20020098491A1
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; ORGANISM: homo sapiens
US-09-854-845-14
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US-09-854-845-6
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US-09-854-845-14
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Patent No. US20020098491A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
BAPLICANT: Walk, D. Wade
APPLICANT: Wang, Xiaoming
APPLICANT: Scoville, John
APPLICANT: Turner, C. Alexander Jr.
TITLE OF INVENTION: No. US20020098491A1e1 Human Semaphorin Homologs and Polynucleotic
FILE REPERENCE: LEX-0177-08A
CURRENT APPLICATION NUMBER: US/09/854,845
CURRENT FILING DATE: 2001-05-14
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TITLE OF INVENTION: Modified Dorsal Tissue Affecting Factor and Composition
FILE REPERENCE: REG 133-2
CURRENT APPLICATION NUMBER: US/10/323,268
CURRENT FILING DATE: 2002-12-19
PRIOR APPLICATION NUMBER: US/09/500,253
PRIOR FILING DATE: 2000-02-08
NUMBER OF SEQ ID NOS: 27
SOFTWARE: Patentin version 3.0
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                                                                                                                       Score 87; DB 10; Length 14;
Pred. No. 0.049;
0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: US 60/205,274
PRIOR FILING DATE: 2000-05-18
PRIOR APPLICATION NUMBER: US 60/208,893
PRIOR FILING DATE: 2000-06-02
NUMBER OF SEQ ID NOS: 50
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                        6.9%; Scur
100.0%; Pre
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                                                                                                                                                                                                          146 QMWLWSQTFCPVLY 159
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                                                                                                                                                                                                                                1 QMWLWSQTFCPVLY 14
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                                                                                                                       Query Match 6.9%
Best Local Similarity 100.C
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 100.
Matches 14; Conservative
                                     ; TYPE: PRT
; ORGANISM: frog and mouse
US-09-897-322-3
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CORGANISM: homo sapiens
US-09-854-845-16
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US-10-323-268-3
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; SEQ ID NO 3
; LENGTH: 14
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